

GENERAL INSPECTION REPORT

(BC08)
REPORT No. 259
MAIN SPAN

DATE: 05/04/2009 TO 09/06/2009

Main Span North & South was inspected over the above dates, due to other priorities
This inspection has taken longer than normal. The findings are as follows.

Structural Steelwork: Steelwork remains in a generally satisfactory condition.

There are 3 new broken bolts, bringing the total to 53. On beam No.2 there are four positions where the top bolted connections have come loose.

There are numerous positions where the bottom connections of beams 3 & 8 are becoming blocked due to road debris, causing water build up, corrosion and unwanted growth. Also debris build up chord top connection cluster joints (mainly bottom chord) No.1 stringer bearing plates appear to have cracked welds at: 53n.w. 57s.w. 63n.w.

Runway Beams: Status unchanged since principal inspection 2008, program of works to be implemented.

Drains/Gully Pots: Gully pots remain unchanged with numerous pots having gathered road debris. No new broken drain supports, thus total of 11 from last inspection remains unchanged.

Paintwork: Spots of paint breakdown throughout as with zinc salts.

Billets/Trough Welds: A few locations of cracked and potentially cracked No.1 Billets have been found this inspection, most likely to be caused by billets banging. Previous billet survey remains mainly unchanged.

Trough survey also remains unchanged.

Inner Balustrade: An increase to post base weld cracks has been noticed this inspection, *this could be due to pipework supports being under spec.*

Wear has also been found on posts due to acoustic monitoring cables and dehumidification flexi-conduit.

Walkways: The walkway splice bolts being loose has increased by 48 to **152**. It has been noticed that there are more starting to go, and that it seems to start from the outside of the walkway, then move in to the inner side and then into the walkway supports. THE WALKWAY BOLTS & CLIPS ROUTINE MUST BE ACTIVELY PURSUED.

Crash Barriers East & West: 8 positions on East side and 31 positions on the West side, which all require attention.

Photos from this inspection can be viewed in BC08\FRB Inspections\Independent Inspections\April to June 2009 Inspection Photos.

Bridge Inspectors